

## ABSTRACT

There is provided a semiconductor integrated circuit device (100) for downloading a program of an arithmetic processing unit, such as a DSP or a CPU, from the outside, wherein a rewrite program as secret information not to be leaked to third parties, which is downloaded in a semiconductor integrated circuit (109), is checked as to whether it is correctly downloaded or not while maintaining the confidentiality of the rewrite program.

The semiconductor integrated circuit device is provided with a circuit for verifying the contents of the downloaded rewrite program, and/or a program for verifying the contents of the downloaded rewrite program.